## CHEM-POLYATOMIC IONS/ACIDS+BASES

PHOSPHATE - PO43-CYANIDE - CNT DIHYDROGENPHOSPHATE - H, PO4 AMMONIA - NHZ ETHANOATE (ACFTATE) - CH, COO. HYDROGEN PEROXIDE- H202 HYDROGENCARBONATE - HCO. ETHANOIC ACID - CH, COOH HYDROGENSULFATE - HSO4 HYDROCHLORIC ACID - HCI HYDROXIDE - OHT NITRIC ACID - HNO2 NITRATE - NO3 CARBONIC ACID - H2 CO3 NITRITE - NO, SULFURIC ACID - H2504 PERMANGANATE - MnO4 SULFUROUS ACID - H2 SO3 CARBONATE - CO32 PHOSPHORIC ACID - H3PO4 CHROMATE - CrO42 AMMONIUM - NH4+ DICHROMATE - Cr. 0, 2-HMDROGENPHOSPHATE - HPO42-0XALATE - C2042-SULFATE - SO4 2-SULFIDE - S2-

SULFITE-SO227

STRONG ACIDS
HMDROCHLORIC ACID - HC
SMLFMRIC ACID - H<sub>2</sub>SO<sub>4</sub>
NITRIC ACID - HNO<sub>3</sub>

WEAK ACIDS

ACETIC ACID/ETHANOIC ACID - (H3 COOH
PHOSP HORIC ACID - H3 PO4
CARBONIC ACID - H2 CO3

STRONG BASES

group 1 and 2 HYDROXIDES

e.g. Nagh

WEAK BASES AMMONIA - NH3 SODIUM CARBONATE - NO2 CO3

 $HCI \rightarrow H^{+} + CI^{-}$  Strong acid  $H_{2}CO_{3} \rightleftharpoons H^{+} + HCO_{3}$  weak acid

Nach - Na + OH - strong base

NH3+H20 = NH4++OH- WEAK base